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DIVISION

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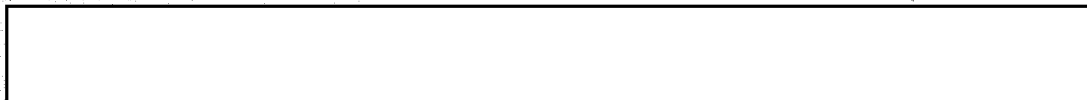
PHOTOGRAPHIC INTELLIGENCE REPORT

VITAL RECORDS COPY
PROBABLE LONG RANGE

SAM LAUNCH COMPLEX,

LIEPAJA, USSR

Declass Review by NIMA/DOD



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CIA/PIR61047

DATE October 1965

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PAGES 9

GROUP 1
Excluded from automatic
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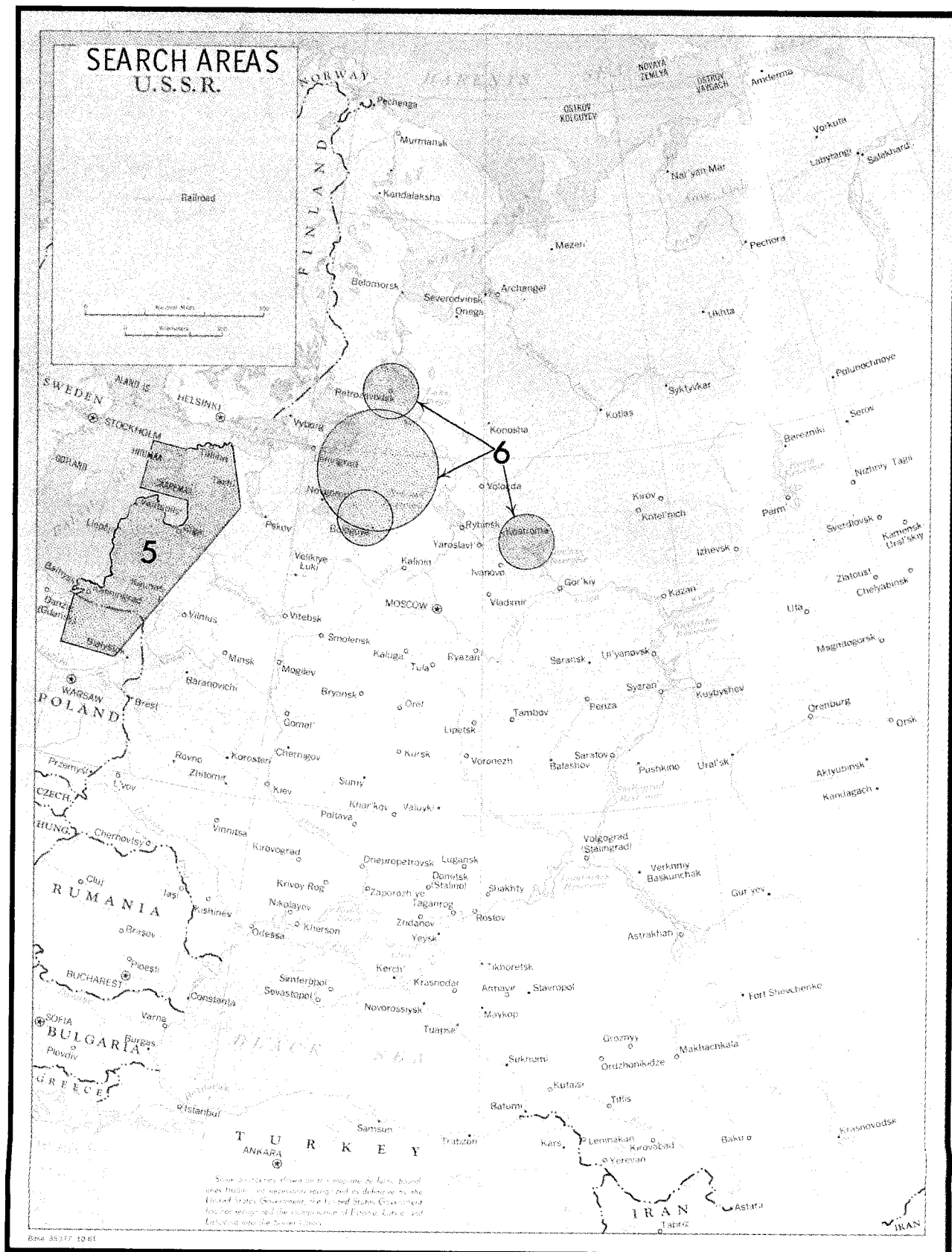
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FIGURE 1

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PROBABLE LONG RANGE SAM LAUNCH COMPLEX,

LIEPAJA, USSR

INTRODUCTION

This report presents the results of a search for Tallinn/Cherepovets-type defense missile activity in the USSR and an analysis of the Liepaja probable long range SAM launch complex under construction in the Latvian SSR at 56-33-40N 021-10-40E.

SEARCH

The results of a search for Tallinn/Cherepovets-type defensive missile activity within the fifth and sixth areas, as designated by the referenced requirement, were negative except as noted below.

The fifth search area consists of the region within 100 nautical miles (nm) of the border from Tallinn, USSR (59-25N 24-45E) to Kaliningrad, USSR (54-42N 20-30E). The sixth area represents a combination of four sub-areas as follows: a) within 50 nm of Petrozavodsk (61-47N 34-24E); b) within 50 nm of Parakhino-Poddub'ye (58-24N 33-17E); c) within 50 nm of Kineshma (57-26N 42-10E); d) within 100 nm of Pikalevo (59-37N 33-56E) (Figure 1).

The four areas previously searched produced negative results. These areas and the pertinent reports are as follows:

- 1) Within 100 nm of the border from Odessa to Rostov to Astrakhan. [redacted] January 1965)
- 2) Within 100 nm of Tbilisi and Baku. [redacted] January 1965)
- 3) Within 100 nm of Krasnovodsk to Mary to Tashkent to Alma Ata. (CIA/PIR-61013, [redacted] August 1965)
- 4) Within 100 nm of latitude 60N between Cherepovets and the Ural Mountains. (CIA/PIR-61024, [redacted] August 1965)

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LIEPAJA PROBABLE LONG RANGE SAM LAUNCH COMPLEX

Prior to the completion of this search effort, a probable long range SAM launch complex was observed under construction near Liepaja, USSR. This complex closely resembled those seen at Tallinn and Cherepovets and was discovered during the immediate readout of [] With this exception, no Tallinn-type missile activity was identified in search areas five or six. 25X

The probable long range SAM launch complex under construction 4.5 nm east-northeast of Liepaja, is located at 56-33-40N 21-10-40E (Figure 2). As identified from [] it consists of a main access road, a support area, three launch sites under construction, a probable operational support area under construction, and preliminary scarring for radar positions at the "pentagon" electronics site (Figure 3). X1

The first signs of construction at this location were observed on photography of [] and were not present on [] [] a newly-constructed road extended approximately 0.7 nm northwest from the secondary road which connects the villages of Grobina and Tashi. A probable support area was also under construction adjacent to the road junction. With the presence of heavy snow in the region, the only major snow-removal efforts were confined to the newly constructed road and south along the secondary road to Grobina and Liepaja. In addition a long, angular, ground scar was also cleared of snow and could be seen skirting the eastern periphery of the complex excluding the probable support area. This possibly indicates the preparation for, or location of, a security fence. Although an irrigation or drainage ditch could be seen leading into the launch area, there can be no conclusion as to its present or planned function, since this ditch was present prior to the negation of this complex and presumably served several small agricultural areas in the vicinity. X1 X1 25X

The launch complex was next observed on [] however, poor weather conditions and image quality did not permit the identification of any major developments since last coverage. The only visible signs of construction progress were an earth scar at the location of the subsequently identified launch site "E" access road, and a faint earth scar outlining one possible radar position at the electronics site. 25X

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X1 [] revealed the construction of a road, or road scar, outlining the probable location of launch site "B". In addition to the previously observed earth scarring [] in the electronics site area, another similar faint signature was visible, indicating the possible location for a second of the five expected radar positions at the electronics site. Severe tonal contrast and snow cover did not permit a more detailed interpretation. 25X

Less than a week later, on [] covered the launch complex. However, due to approximately 90% cloud cover in the area, no new activity could be observed. 25X

X1 The most recent coverage was on photography of [] [], and although still in an early stage of development (Figure 4), the launch complex at Liepaja showed a definite similarity to the Tallinn and Cherepovets launch complexes (Figure 5). Construction is progressing at launch sites B, D, and E as revealed by the appearance of site access and perimeter construction roads at these sites. A road extended from the main access road to the expected location of site C. In Figure 4, a hypothetical point has been projected to illustrate the approximate future location of the center of launch site A. This has been done with the assumption that the overall geometric pattern of the Liepaja complex will parallel that of Cherepovets (Figure 5). There was no sign of construction activity at this location as of [] 25X

X1 The "pentagon" electronics site is in a corresponding location with respect to the launch sites, and is similar in pattern to its counterparts at Tallinn and Cherepovets. Graded earth marks the location of advanced construction for three of the "pentagon" radar pads, while the locations of the remaining two are seen as only clearings surrounded by trees.

MENSURATION

All measurements on Figures 4 and 5 have been made by the NPIC Technical Intelligence Division with the exception of those marked with an asterisk (*). These were made by the CIA/IAD project analyst using scale factors provided by NPIC/TID. They should be considered as approximate and must not be taken as official mensuration data. The NPIC/TID measurements are considered to be accurate within ± 10 feet or 3%, whichever is greater.

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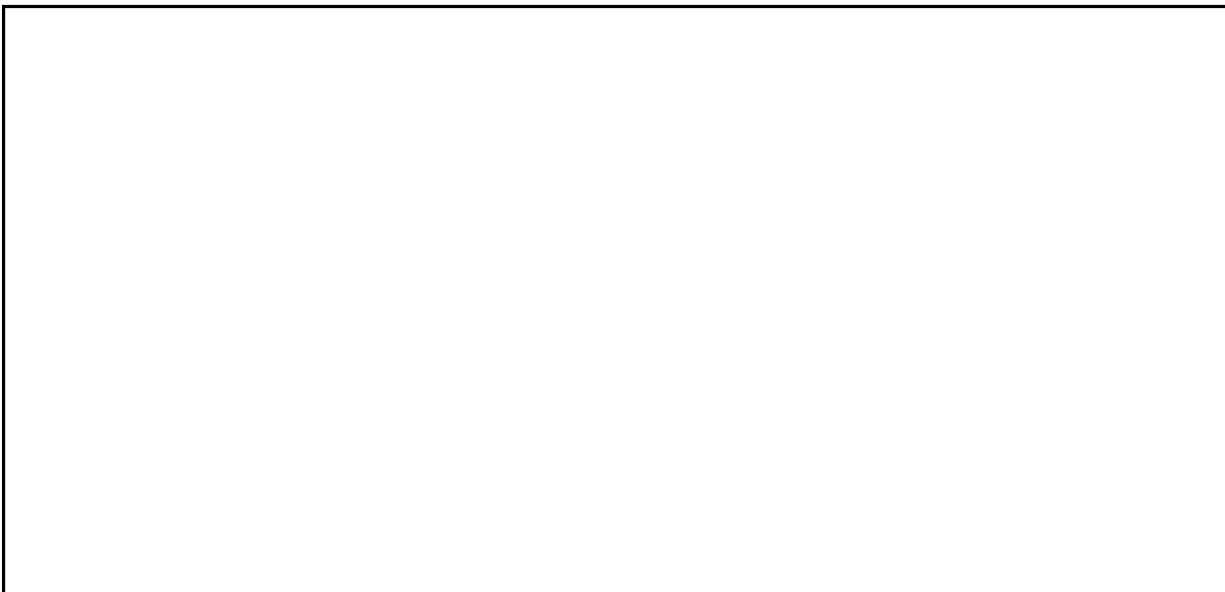
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Azimuth accuracy is within ± 5 degrees in Figure 4, and within [] in Figure 5.

NOTE: Figure 4 - Due to the quality and resolution of this photography, the points used in mensuration are not necessarily significant ground positions and should be considered only for relative mensural appreciation within the launch complex.

REFERENCES



MAPS and CHARTS

USAF Jet Navigation Charts, JN-10 and JN-11. (CONFIDENTIAL)
USAF ONC, D-3 (UNCLASSIFIED), and D-2 (CONFIDENTIAL)
USATC Series 200, Sheet 152-25. (SECRET)

DOCUMENTS

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M/EB 71/65 (TOP SECRET []

REQUIREMENT

C-SI4-81,659

CIA/IAD PROJECT

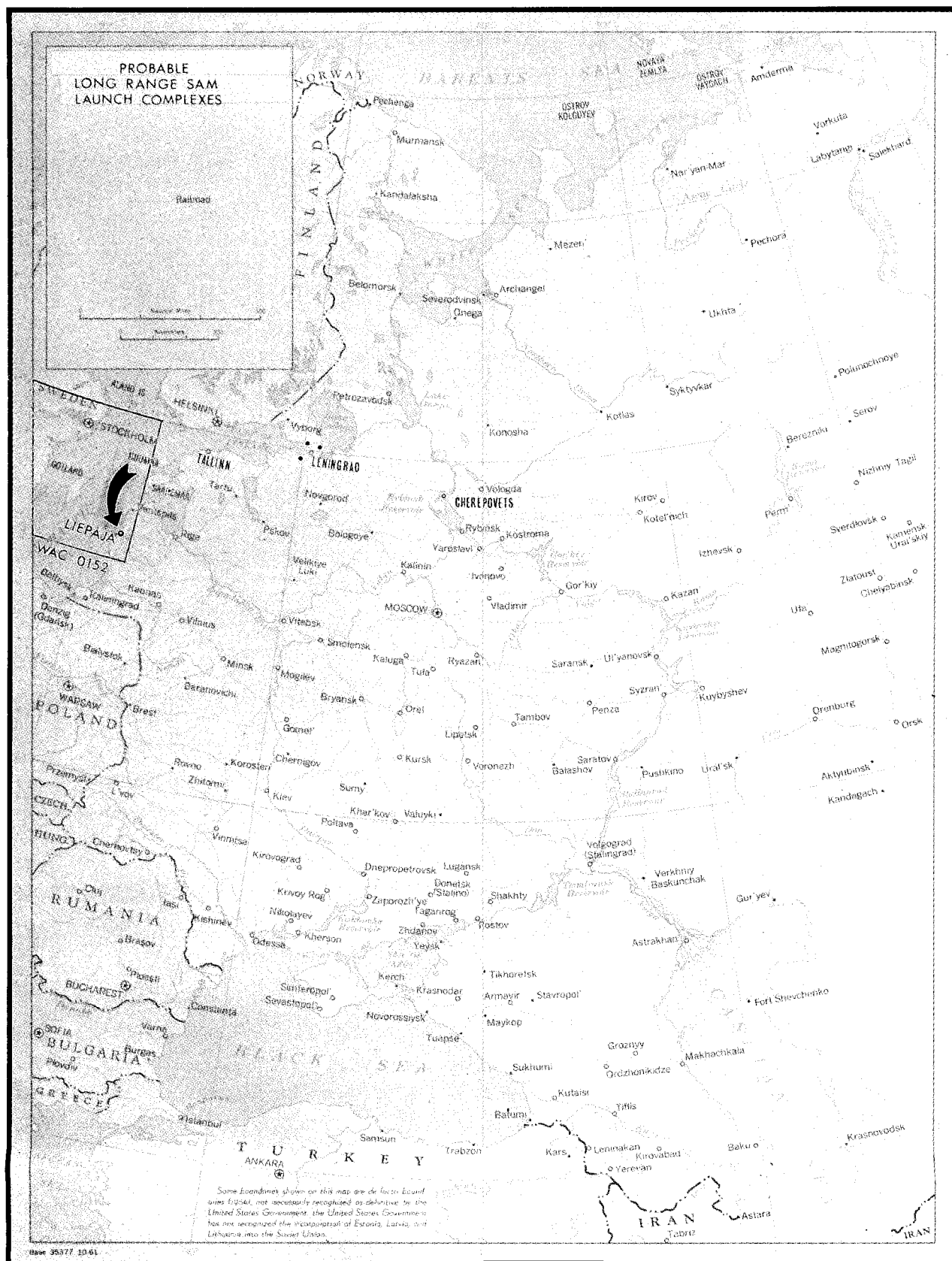
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UNRECTIFIED DRAWING OF
LIEPAJA PROB. LONG RANGE SAM LAUNCH COMPLEX

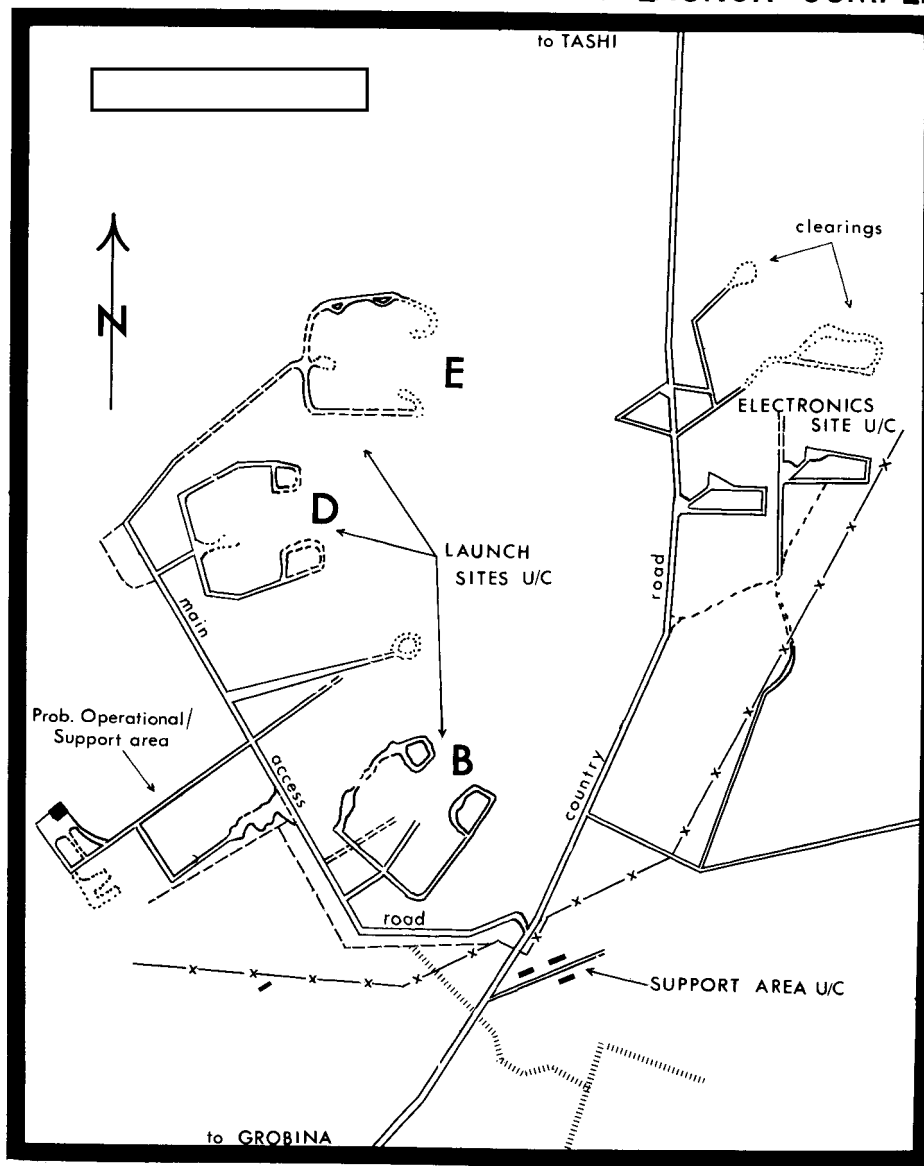


Figure 3

road/road u/c ———/———
earth scar ———
drainage ditch ———
poss. security fence —x—x—
building ———

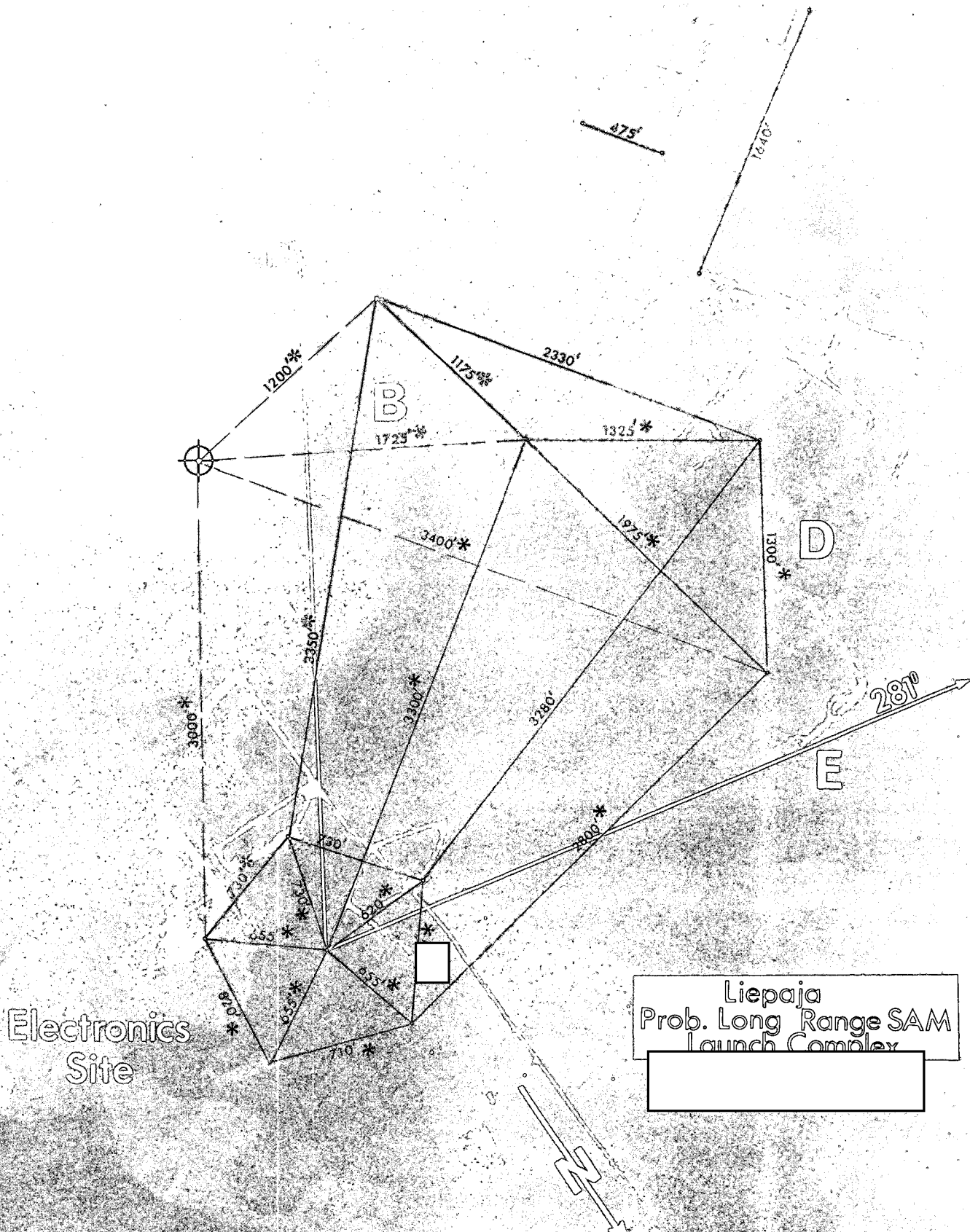
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Fig 4

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